| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 64 | (Codilian near Raffi).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:35 |
| L2 | 3 | (vallis near Mark).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:31 |
| L3 | 0 | 1 and 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:31 |
| L4 | 138306 | (disk adj drive) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:35 |
| L5 | 669008 | track$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:35 |
| L6 | 1632302 | head | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:35 |
| L7 | 3890 | command adj (queue or buffer) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:36 |
| L8 | 13734 | (disk adj controller$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:36 |
| L9 | 713 | (rotation$4 adj position adj optimization) or RPO | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:37 |

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|---|---|---|---|---|---|---|
| L10 | 163 | seek adj latency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:37 |
| L11 | 4 | settle adj latency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:39 |
| L12 | 543 | rotation$4 adj latency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:38 |
| L13 | 538783 | vibration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:39 |
| L14 | 6358 | disk near4 vibrat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:38 |
| L15 | 0 | setle adj latency | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:39 |
| L16 | 7 | 10 and 13 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:39 |
| L17 | 741376 | vibrat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:52 |
| L18 | 8 | 17 and 10 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:40 |
| L19 | 39 | 12 and 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:40 |

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|---|---|---|---|---|---|---|
| L20 | 65 | 9 and 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:00 |
| L21 | 1 | 7 and 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:41 |
| L22 | 1 | 19 and 20 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:47 |
| L23 | 41 | 10 and 12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:47 |
| L24 | 2 | 23 and 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:47 |
| L25 | 20 | 9 same 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:47 |
| L26 | 3 | 9 same 10 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:53 |
| L27 | 0 | 9 same 11 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:53 |
| L28 | 8 | 9 same 12 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:53 |
| L29 | 3 | 26 and 28 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 13:54 |

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| L30 | 20 | 9 same 17 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:06 |
| L31 | 13872 | (detect$4 or monitor$4) adj vibrat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:07 |
| L32 | 784503 | (disk adj drive) or disk$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:07 |
| L33 | 1276 | 31 and 32 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:08 |
| L34 | 4 | 9 and 33 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:09 |
| L35 | 25565 | "711"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:10 |
| L36 | 98131 | "360"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:11 |
| L37 | 81776 | "369"/$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:11 |
| L38 | 200752 | 35 or 36 or 37 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:11 |
| L39 | 44 | 9 and 38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:12 |

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|---|---|---|---|---|---|---|
| L40 | 11918 | 17 and 38 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:12 |
| L41 | 1 | 39 and 40 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/14 14:12 |

Terms used **disk track seek rotational vibration latency**

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1 On-line extraction of SCSI disk drive parameters
Bruce L. Worthington, Gregory R. Ganger, Yale N. Patt, John Wilkes
May 1995 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1995 ACM SIGMETRICS joint international conference on Measurement and modeling of computer systems**, Volume 23 Issue 1

Full text available: pdf(1.21 MB) Additional Information: full citation, abstract, references, citings, index terms

Sophisticated disk scheduling algorithms require accurate, detailed disk drive specifications, including data about mechanical delays, on-board caching and prefetching algorithms, command and protocol overheads, and logical-to-physical block mappings. Comprehensive disk models used in storage subsystem design require similar levels of detail. We describe a suite of general-purpose algorithms and techniques for acquiring the necessary information from a SCSI disk drive. Using only the ANSI-standa ...

2 Designing computer systems with MEMS-based storage
Steven W. Schlosser, John Linwood Griffin, David F. Nagle, Gregory R. Ganger
November 2000 **Proceedings of the ninth international conference on Architectural support for programming languages and operating systems**, Volume 34 , 28 Issue 5 , 5

Full text available: pdf(439.06 KB) Additional Information: full citation, abstract, references, citings, index terms

For decades the RAM-to-disk memory hierarchy gap has plagued computer architects. An exciting new storage technology based on microelectromechanical systems (MEMS) is poised to fill a large portion of this performance gap, significantly reduce system power consumption, and enable many new applications. This paper explores the system-level implications of integrating MEMS-based storage into the memory hierarchy. Results show that standalone MEMS-based storage reduces I/O stall times by 4-74X over ...

3 Designing computer systems with MEMS-based storage .
Steven W. Schlosser, John Linwood Griffin, David F. Nagle, Gregory R. Ganger
November 2000 **ACM SIGPLAN Notices**, Volume 35 Issue 11

Full text available: pdf(439.06 KB) Additional Information: full citation, abstract, references, index terms

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4 System architectures for computer music
John W. Gordon
June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2

Full text available: pdf(4.61 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Computer music is a relatively new field. While a large proportion of the public is aware of computer music in one form or another, there seems to be a need for a better understanding of its capabilities and limitations in terms of synthesis, performance, and recording hardware. This article addresses that need by surveying and discussing the architecture of existing computer music systems. System requirements vary according to what the system will be used for. Common uses for co ...

5 Papers: Tactile user interface: Haptic techniques for media control
Scott S. Snibbe, Karon E. MacLean, Rob Shaw, Jayne Roderick, William L. Verplank, Mark Scheeff
November 2001 **Proceedings of the 14th annual ACM symposium on User interface software and technology**

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, citings, index terms

We introduce a set of techniques for haptically manipulating digital media such as video, audio, voicemail and computer graphics, utilizing virtual mediating dynamic models based on intuitive physical metaphors. For example, a video sequence can be modeled by linking its motion to a heavy spinning virtual wheel: the user browses by grasping a physical force-feedback knob and engaging the virtual wheel through a simulated clutch to spin or brake it, while feeling the passage of individual frames. ...

**Keywords**: Haptic force feedback, interaction techniques, media browsing, multimedia control, tangible interfaces, user interface design, video editing

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